هاي سؤال منها في الامتحان

معن سلام قدر له

Special Purpose Diodes

Diode Name	Special characteristics	Applications	symbol
① Varactor	Variable capacitor	- tuning circuits in VHF,UHF,Satelite Receivers utilize varactors - Cellular communications	مهم
② LED Diode Light Emitting Diode (Seven Segment display)	Light emitting diode	-7-segment display - industrial processing -control -position encoder -Bar graph reader -optical switching used in optical fibers	مهم
Photo Diode	Operate in reverse bias not coherent الاشعة ليست مترابطة مثل ضوء الكهرباء كل ما ابعدنا عن المحيط بتزداد دائرة الضوء	-Used in pick up systems of compact disc(CD) players	مهم
Laser Diode	Light amplification by stimulation emission radiation -coherent, directional , monochromatic لون واحد	Used in pick up systems of compact disc(CD) players laser printers Medical applications fiber optic systems	مهم

تم الرفع بواسطة
م. معن أبو عيسى

Schottky Diode	Has metal semiconductor junction Metal + N type	- used in fast switching applications as LS(low power) Family of TTL	
PIN Diode	- in reversed bias it acts as constant capacitance - in forward bias it acts as A current controlled variable resistance	-Dc controlled microwave switch - modulator -photo detector in fiber optic systems	
Tunnel Diode	Negative resistance	Used in oscillator circuits and Microwave amplifier applications	

خاصة بالاتصالات